



SHEET 1 OF 4

SUBSTITUTE FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE CITATION</b>	ATTY. DOCKET NO. <b>8945-35 (176245)</b>	SERIAL NO. <b>10/731,754</b>
	APPLICANT: <b>Brian P. Couchey et al.</b>	
	FILING DATE <b>December 8, 2003</b>	GROUP <b>Not yet assigned</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>JN</i>	AA	218,722	8/1879	Eldridge			
	AB	1,456,108	5/1923	Johannesen			
	AC	2,501,596	3/1950	Denny			
	AD	2,811,322	10/1957	Wilkinson			
	AE	3,610,549	10/1971	Wennerstrom			
	AF	3948458	4/1976	Beck et al.			
	AG	4,219,274	8/1980	Dabby et al.			
	AH	4,387,863	6/1983	Edmonston et al.			
	AI	4,445,649	5/1984	Yataki et al.			
<i>✓</i>	AJ	4,602,751	7/1986	Vogel			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
<i>JN</i>	AK	<del>DE29807873U</del>	<del>Sept. 1998</del>	<del>Germany</del>				<del>X</del>
	AL	JP2000219433A	Aug. 2000	Japan			x-abstract only	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>JN</i>		DATE CONSIDERED <i>11/9/05</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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## INFORMATION DISCLOSURE CITATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>2N</i>	BA	4,653,331	3/1987	Inouye et al.			
	BB	4,657,203	4/1987	Crawford			
	BC	4,696,438	9/1987	Myers			
	BD	4,715,549	12/1987	Travlos			
	BE	4,753,399	6/1988	Baum			
	BF	4,781,461	11/1988	Baron et al.			
	BG	4,793,708	12/1988	Bednarz			
	BH	4,796,830	1/1989	Gelfman			
	BI	4,802,270	2/1989	Kashiwaya et al.			
<i>✓</i>	BJ	4,880,182	11/1989	Gelfman			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

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EXAMINER	<i>2N</i>	DATE CONSIDERED	<i>11/9/05</i>
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>7M</i>	CA	4,938,432	7/1990	Kurt et al.			
	CB	5,067,665	11/1991	LoStracco et al.			
	CC	5,071,082	12/1991	Lefevre et al.			
	CD	5,100,078	3/1992	Clark			
	CE	5,165,543	11/1992	Heyda et al.			
	CF	5,193,761	3/1993	Fritz et al.			
	CG	5,205,510	4/1993	Schotter			
	CH	5,220,632	6/1993	LoStracco			
	CI	5,236,145	8/1993	Floury et al.			
<i>✓</i>	CJ	5,335,874	8/1994	Shrum et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Nyp</i>	DATE CONSIDERED <i>11/9/05</i>
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	APPLICANT: <b>Brian P. Couchey et al.</b>	
	FILING DATE <b>December 8, 2003</b>	GROUP <b>Not yet assigned</b>

## U.S. PATENT DOCUMENTS


EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>W</i>	DA	5,379,965	1/1995	Isler et al.	_____	_____	
	DB	5,593,101	1/1997	Varga	_____	_____	
	DC	5,718,397	2/1998	Stevens	_____	_____	
	DD	5,890,674	4/1999	Major	_____	_____	
	DE	5,895,005	4/1999	Simchock	_____	_____	
	DF	5,908,172	6/1999	Pierro et al.	_____	_____	
	DG	5,971,316	10/1999	Kim	_____	_____	
<i>W</i>	DH	6,098,918	8/2000	Simchock	_____	_____	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>W</i>	DATE CONSIDERED <i>11/9/05</i>
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SUBSTITUTE FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. <b>8945-35US1 (176245)</b>		SERIAL NO. <b>10/731,754</b>	
				APPLICANT: <b>Brian P. Couchey et al.</b>			
				FILING DATE <b>December 8, 2003</b>		GROUP <b>3654</b>	

## U.S. PATENT DOCUMENTS

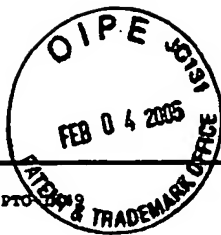
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>W</i>	AA	6,511,009	1/28/03	Harrison et al.	242	388.5	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION <u>YES</u> <u>NO</u>	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER <i>W</i>	DATE CONSIDERED <i>11/9/05</i>
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SUBSTITUTE FORM PTO 1019 <b>INFORMATION DISCLOSURE CITATION</b>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>8945-35 (176245)</b>	SERIAL NO. <b>10/731,754</b>
	APPLICANT: <b>Brian P. Couchey et al.</b>		
	FILING DATE <b>December 8, 2003</b>	GROUP <b>Not yet assigned</b>	

**U.S. PATENT DOCUMENTS**

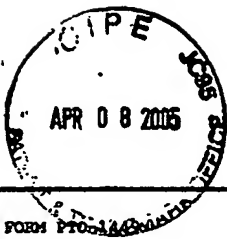
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
7N	AA	4,715,594	12/1987	Isobe et al.			
	AB	4,753,399	6/1988	Baum			
✓	AC	2003/0146333A1	8/2003	Couchey et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>74yr</i>	DATE CONSIDERED <i>11/9/05</i>
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SUBSTITUTE FORM PTO-140 <b>INFORMATION DISCLOSURE CITATION</b>	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. <b>8945-35 (176245)</b>	SERIAL NO. <b>10/731,754</b>
	APPLICANT: <b>Brian P. Couchey et al.</b>		
	FILING DATE <b>December 8, 2003</b>	GROUP <b>3654</b>	

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
JN	4,667,896	5/1987	Frey et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JN		EP0699616A2	3/1996	Europe				
JN		EP1312571A2	5/2003	Europe				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	
EXAMINER	DATE CONSIDERED
<i>[Signature]</i>	11/9/05
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